=> d

L1 HAS NO ANSWERS

L1 S

G1 H, X, Ak

G2 H,X

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 19:27:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3020 TO ITERATE

100.0% PROCESSED

3020 ITERATIONS

1020 ANSWERS

SEARCH TIME: 00.00.01

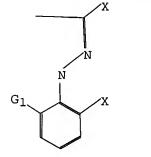
L2 1020 SEA SSS FUL L1

=> s ·12

L3 724 L2

=>

Uploading C:\Program Files\Stnexp\Queries\10621344b.str



chain nodes :

7 8 9 10 11 12 14

ring nodes :

1 2 3 4 5 6

chain bonds :

2-14 3-8 4-7 8-9 9-10 10-11 10-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds : 2-14 3-8 8-9 9-10

exact bonds :

4-7 10-11 10-12

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

G1:H,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 14:CLASS

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR

G1 H, X

Structure attributes must be viewed using STN Express query preparation.

=> s 14 full

REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress... Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 19:27:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1226 TO ITERATE

100.0% PROCESSED 1226 ITERATIONS SEARCH TIME: 00.00.01

211 ANSWERS

```
113 L5
L6
```

=> s 13 and 16

5 L3 AND L6

=> d 17 1-5 ibib abs hitstr

ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

2000:553565 CAPLUS

DOCUMENT NUMBER:

133:164052

TITLE:

New process for preparing 5-amino-1-aryl-3cyanopyrazoles as pesticidal intermediates

INVENTOR (S):

Ancel, Jean-Erick

PATENT ASSIGNEE(S):

Aventis CropScience SA, Fr. PCT Int. Appl., 16 pp.

SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA	TENT	NO.			KINI)	DATE		1								DATE	
	2000																	
	2000						2000	0810		WO	20	00-1	SPIT(JΙ			20000	201
WO	∠000 ₩:									DО		חח	DV	CI3	OT I	CD 1	. an	CT.
	VV :	AE,	AL,	AM,	AI,	AU,	RC,	DA,	GB,	20	,	BK,	BI,	CA,	CH,	CN	, CR,	CU,
		CZ,	DE,	DK,	DM,	EE,	ED,	rı,	GB,	עט	,	GE;	GH,	GM,	HK,	HU	, ID,	11,
																	, LV,	
		MD,	MG,	MK,	IMIN ,	IMM,	MX,	NO,	NZ,	PL	,	PT,	RO,	RU,	SD,	SE	, SG,	SI,
	-									UG	,	US,	UZ,	VN,	YU,	ZA	, ZW,	AM,
	DW.						RU,				,					~		
	RW:	GH,	GM,	KE,	ъs,	MM,	SD,	SL,	SZ,	12	′	UG,	ZW,	AT,	BE,	CH	, CY,	DE,
															SE,	BF	, BJ,	CF,
	2700	207	CI,	CM,	GA,	GN,	GW,	МГ,	MR,	NE	·,	SN,	TD,	ΤG				
r K	2789 2789	387 207			AI		2000	0811		FR	19	99	1469				19990	204
A4 CD	2/89	38 / 217			BT		2001	0914		~~	~ ^							
CA ED	2362	Z1/			AA		2000	0810		CA	20	00-2	23622	217			20000	201
EP	1149	7 m	DE	OI I	AZ	DIC	Z001.	1031	GD .	EP	20	00-5	1408	31			20000	201
	R:	AI,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	,	IT,	, ال	LU,	ΝL,	SE	, MC,	PT,
מת	2000						RO											
אם	2000	50790	62		A.		2001		1	BK	20	00-	7982				20000	
אנו א	2002	03 03	0 /		12		2002			אנו	20	00-5	59728				20000	
AU	2002 7676 2236	402			62		2003										20000	
RU PC	1057	403 66			A												20000	
27 71	2001	00 00 <i>63</i> 7	c 0		A.		2002	1126		BG	20	01-1	105/6	96			20010	
	2001		0 J 4 O		A A1												20010	
IIC	6620	0000	±2		D1		2002	0016	,	HK	20	01-6)4 <i>Z</i>				20010	831
20	2004	244 0201	4.0		DI		2003	0210	,	US	20	01-6	3906:	3			20011	102
PRIORIT	6620 2004 Y APP	1.M	± U T NT ETC		AI		2004	0212		US .	10	03-6	1460	± 4		7.	20030	718
FRIORIT	I APP.	אזרו	INTO	. :					1	rK WO	7.7 7.3	77-1	1407 1011	١1				
									,	WU .	20	00-1	EP11(. J T		w vo	20000 20011	201 100
OTHER SO	OURCE	(S):			CASE	REAC	T 13	3:164									ZUUTI	102

OTHER SOURCE(S): CASREACT 133:164052; MARPAT 133:164052

GΙ

same

$$R^3$$
 CN R^3 R^8 R^7 CH R^2 R^2 R^3 R^8 R^7 R^8 R^7 R^8 R^9 R^9

AB The title compds. [I; W = N, CR4; R1 = halo, haloalkyl, haloalkoxy, etc.; R2 = H, halo; R3 = H, R6SOm; R4 = halo; R6 = alkyl, haloalkyl; m = 0-2] were prepared by reacting the compound II [R7 = a leaving group; R8 = Cl, Br] with a cyanide salt.

IT 288066-46-6P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic
preparation); PREP (Preparation); RACT (Reactant or reagent)
 (new process for preparing 5-amino-1-aryl-3-cyanopyrazoles as pesticidal
intermediates)

RN 288066-46-6 CAPLUS

CN Ethanehydrazonoyl chloride, 2-chloro-N-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

IT 120068-79-3P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(new process for preparing 5-amino-1-aryl-3-cyanopyrazoles as pesticidal intermediates)

RN 120068-79-3 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

L7ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1994:298625 CAPLUS

DOCUMENT NUMBER: 120:298625

TITLE: Preparation of phenylpyrazoles as arthropodicides,

nematocides, protozoacides, and anthelmintics

INVENTOR(S): Hatton, Leslie R.; Buntain, Ian G.; Hawkins, David W.;

Parnell, Edgar W.; Pearson, Christopher J.

PATENT ASSIGNÉE(S):

SOURCE: U.S., 76 pp. Cont.-in-part of U.S. Ser. No. 445,153,

abandoned.

CODEN: USXXAM

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5232940	 A	19930803	US 1990-520290	10000507
IL 86493	A A1	19930803	IL 1988-86493	19900507
IL 105138	A1	19940826		19880525
HU 210668	В	19950628	IL 1988-105138 HU 1991-1577	19880525
US 5547974	А.	19960820	US 1991-1577	19880610
FI 9501839	A . A	19950418	FI 1995-1839	19930505
US 5608077	A	19970304	US 1995-454412	19950418
US 5714191	A	19980203	US 1995-454412 US 1995-453087	19950530
US 5916618	A	19990629	US 1995-453087 US 1997-947056	19950530
US 6372774	B1	20020416	US 1997-354903	19971007
DK 200201527	A5	20020416	DK 2002-1527	19990716
PRIORITY APPLN. INFO.:	AS	20021010	GB 1985-31485	20021010
TRIORITI AFFEIN. INFO			US 1986-943132	A 19851220
			GB 1987-13768	B1 19861218
			GB 1987-13769	A 19870612 A 19870612
			US 1988-205238	A 19870612 B1 19880610
			US 1988-205299	
			US 1989-380333	B1 19880610
			US 1989-413134	B1 19890717
			US 1989-445153	B1 19890927 B2 19891205
			IL 1986-81025	A 19861218
•			IL 1988-86492	A 19880525
		•	DK 1988-3140	L 19880609
			FI 1988-2735	A 19880609
			HU 1988-3009	A 19880610
			US 1990-520290 `	A3 19900507
			US 1993-57669	A3 19930507 A3 19930505
		•	US 1995-453087	A1 19950530
			US 1996-652921	B1 19950530
	•	· .	US 1997-855876	B3 19970512
•			US 1997-835876 US 1998-137313	B3 19970512 B3 19980821
		-	02 1330-13/313	D2 13380871

OTHER SOURCE(S):

MARPAT 120:298625

GI

AB Title compds. [I; R1 = cyano, nitro, halo, acetyl, formyl, (halo)alkyl, etc.; R2 = R'SO2, R'SO, R'S, halo, cyano, nitro, cycloalkyl, alkenyl, thiocyanato, sulfamoyl, carbamoyl, alkoxycarbonyl, alkanoyl, (halo)alkyl; R' = (substituted) alkyl, alkenyl, alkynyl; R3 = H, (substituted) amino, alkoxycarbonyl, alkoxymethyleneamino, halo, cycloalkyl, cycloalkylcarbonyl, alkylsulfenylamino, trialkylsilylmethyl, etc.; R4-R8 = H, halo, nitro, cyano, (halo-substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl], were prepared Thus, fuming nitric acid was added dropwise to 5-acetamido-3-bromo-1-(2,6-dichloro-4-triflluoromethylphenyl)pyrazole and acetic anhydride in acetic acid; the mixture was stirred at 60° for 5 h to give 5-acetamido-3-bromo-1-(2,6-dichloro-4-triflluoromethylphenyl)-4-nitropyrazole. Several I were effective against Plutella xylostella larvae, all stages of Megoura viciae, and Spodoptera littoralis larvae.

IT 111234-69-6P 111245-94-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, as arthropodicide, nematocide, and anthelmintic)

RN 111234-69-6 CAPLUS

CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 111245-94-4 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(methylsulfonyl)- (9CI) (CA INDEX NAME)

```
IT
     111246-58-3P 111246-59-4P 111246-72-1P
     111246-73-2P 111246-99-2P 111247-00-8P
     111247-01-9P 111275-41-3P 111275-42-4P
     120067-83-6P 120067-84-7P 120067-85-8P
     120067-86-9P 120067-87-0P 120067-88-1P
     120067-89-2P 120067-90-5P 120067-91-6P
     120067-92-7P 120067-96-1P 120068-36-2P
     120068-37-3P 120068-38-4P 120068-39-5P
     120068-41-9P 120068-42-0P 120068-44-2P
     120068-52-2P 120068-55-5P 120068-56-6P
     120068-57-7P 120068-58-8P 120068-59-9P
     120068-61-3P 120068-62-4P 120068-63-5P
     120068-65-7P 120068-66-8P 120068-68-0P
     120068-76-0P 120084-88-0P 120115-83-5P
     120507-96-2P 154807-27-9P 154807-28-0P
     154807-29-1P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as arthropodicide, nematocide, and anthelmintic)
RN
     111246-58-3 CAPLUS
CN
     1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-(2,4,6-trichlorophenyl)- (9CI)
     (CA INDEX NAME)
```

RN 111246-59-4 CAPLUS CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-(2,3,5,6-tetrachlorophenyl)-(9CI) (CA INDEX NAME)

RN 111246-72-1 CAPLUS
CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-[2-chloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 111246-73-2 CAPLUS

L7 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

1993:101951 CAPLUS

DOCUMENT NUMBER:

118:101951

TITLE:

Imidazole pesticides

INVENTOR (S):

Willis, Robert John; O'Mahony, Mary Josephine; Roberts, Bryan Glyn; Marlow, Ian David; Boddy, Ian

Kenneth

PATENT ASSIGNEE(S):

Schering Agrochemicals Ltd., UK

SOURCE:

PCT Int. Appl., 82 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	ENT 1	NO.			KIN	D	DATE		I	APP	LICAT	ION	NO.		Ι	ATE	
WO	92134	451			A1	-	1992	0820	V	4O	- 1992-	 GB23	3 .		1	9920	210
											, PL,					an.	a
	RW:										, DE,		ES,	FR,	GA,	GB,	GN,
AU	92119	912			A1	·	1992	0907	Į	Ų.	1992-	1191	2		1	9920	210
PRIORITY	APPI	LN.	INFO	.·:					(3B	1991-	2834			A 1	9910	211
									C	3B	1991-	2835			A 1	9910	211
									. (3B	1991-	2838			A 1	9910	211
									C	3B	1991-	2841			A 1	9910	211
					*				C	GB :	1991-	2847			A 1	9910	211
									C	SB .	1991-	2848			A 1	9910	211
										GB :	1991-	2857			A 1	9910	211
									C	B :	1991-	1471	2		A 1	9910	708
									C	3B :	1991-	1782	2	1	A 1	9910	817
									V	1O	1992-	GB23	3		A 1	9920	210

OTHER SOURCE(S):

MARPAT 118:101951

GΙ

R11 = H, halo, alkyl, alkylthio; R9 = H, halo, alkyl, formyl, alkoxy, aryl, cyano, NO2, OH, trialkylsiloxy, CYNR16R17, CO2R18, R19S(O)m; R12, R13 = H, alkyl, acyl; R16, R17 = H, alkyl, acyl, aryl; NR16R17 = N-containing ring; R18 = H, alkyl; R19 = alkyl; R40 = H, alkyl, acyl; R41, R42 = H, alkyl; m = 0, 1, 2; p = 0 or 1 when Z = Z1 or Z2 and is 0 when Z = Z3-Z5] were prepared Thus 0.53 g 3-[(2-amino-1,2-dicyanoethenylimino)methyl]-1-(2,6-dichloro-4-trifluoromethylphenyl)-2,5-dimethylpyrrole was cyclized in the presence of 2,3-dichloro-5,6-dicyano-1,4-benzoquinone (0.28 g) in dioxane under reflux for 6 h to give 1-(2,6-dichloro-4trifluoromethylphenyl)-3-(4,5-dicyano-1H-imidazol-2-yl)-2,5dimethylpyrrole. Many examples of I were active insecticides, acaricides, and endoparasiticides in tests (sheep blow fly, blue tick, house fly, cockroach, Trichostrongylus colubriformis).

IT120068-79-3

> RL: RCT (Reactant); RACT (Reactant or reagent) (chlorination of)

120068-79-3 CAPLUS RN

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl] - (9CI) (CA INDEX NAME)

TΤ 144890-92-6P

> RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and amination of)

RN 144890-92-6 CAPLUS

Acetic acid, bromo[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-, CN ethyl ester (9CI) (CA INDEX NAME)

ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

1990:35845 CAPLUS

TITLE:

112:35845

DOCUMENT NUMBER:

N-phenylpyrazole derivatives as pesticides for plants,

animals, and man, and their preparation, compositions,

INVENTOR(S): Buntain, Ian George; Hatton, Leslie Roy; Hawkins,

David William; Pearson, Christopher John; Roberts,

David Alan

PATENT ASSIGNEE(S):

May and Baker Ltd., UK

SOURCE:

Eur. Pat. Appl., 40 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 295117	A1	19881214	EP 1988-305306	19880610
EP 295117	B1	20000405		
R: AT, BE, CH,	DE, ES	, FR, GB,	GR, IT, LI, LU, NL, SE	
IL 86492	A1	19930708		19880525
IL 105138	A1	19940826		19880525
DK 8803140	A	19881213		19880609
DK 175070	B1	20040524		
FI 8802735	B1 A	19881213	FI 1988-2735	19880609
NO 8802551	A	19881213		19880609
NO 175367	В	19940627		
NO 175367	C	19941005		
AU 8817554	A1	19881215		19880609
AU 618266	B2	19911219		
RO 100612	B1	19920707	RO 1988-133912	19880609
RO 106496	B1	19930531	RO 1988-144353	19880609
JP 63316771	A2	19881226	JP 1988-143451	19880610
ZA 88041.79	A	19890222		19880610
HU 48875	A2	19890728	HU 1988-3009	19880610
HU 203729	В	19910930		
	B1	19910430	PL 1988-272998	19880610
CA 1330089	A1	19940607		19880610
HU 210668	В	19950628		19880610
SK 278972	B6	19980506	SK 1988-4052	19880610
CZ 285151	В6	19990512		19880610
EP 967206	A1	19991229	EP 1999-113797	19880610
R: AT, BE, CH,		, FR, GB,	GR, IT, LI, LU, NL, SE	
AT 19 1 479	Ē	20000415	AT 1988-305306	19880610
ES 2144390	Т3	20000616	ES 1988-305306	19880610
CN 88103601	A	19881228		19880611
	В	19950111		
	B1	19970206		19880611
BR 8803258	A	19890131		19880613
DD 281744	A5	19900822		19880613
DD 281744	B5	19970220		
RU 2051909	C1	19960110		19910315
FI 9501839	Α	19950418		19950418
HK 1005289	A1	20010209		19980318
GR 3033663	Т3	20001031		20000614
DK 200201527	A5	20021010		20021010
PRIORITY APPLN. INFO.:			GB 1987-13768 A	19870612
				19880525
				19880609
				19880609
				19880610
000000000000000000000000000000000000000				19880610
OTHER SOURCE(S):	MARPAT	112:35845	5	

OTHER SOURCE(S): MARPAT 112:3584 GI

AB The title compds. [I; R1 = cyano, NO2, halo, Ac, CHO; R2 = R5S(O)n where n = 0, 1, or 2; R5 = (≤1 halo-substituted) straight- or branched-chain ≥4 alkyl, alkenyl, or alkynyl; R3 = H, NR6R7, halo, straight- or branched-chain C2-5 alkoxymethyleneamino (un)substituted on methylene by a straight- or branched-chain C1-4 alkyl; R6, R7 = H, straight- or branched-chain ≤5 alkyl, alkenylalkyl, or alkynylalkyl, CHO, (≤1 halo-substituted) straight- or branched-chain C2-5 alkanoyl or alkoxycarbonyl, or NR6R7 = 5- or 6-membered cyclic imido; R4 = 2- or 6-halo- or 4-straight- or branched-chain (Cl- or Br-substituted) alkyl- or alkoxy-substituted phenyl; with the exclusion of the compound wherein R1 = cyano, R2 = MeSO2, R3 = NH2 and R4 = 2,6,4-Cl2(CF3)C6H2, useful for control of arthropod, plant nematode, helminth and protozoan pests (no data except insects), were prepared A stirred solution of 20 g 5-amino-3-cyano-1-(2,6-dichloro-4trifluoromethylphenyl)pyrazole in CH2Cl2 was treated dropwise with a solution of 10.8 g CF3SCl in CH2Cl2 during 1 h. The resulting solution was stirred overnight at room temperature to give 24.2 g 5-amino-3-cyano-1-(2,6-dichloro-4trifluoromethylphenyl)-4-trifluoromethylthiopyrazole (II). I at <500 ppm caused at least 65% mortality against Plutella xylostella larvae. A water-soluble concentrate was formulated from II 7, Ethylan BCP 10% w/v and N-methylpyrrolidone 1004 by volume

IT 120068-55-5 120068-58-8 120068-66-8 120069-19-4

RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidation of)

RN 120068-55-5 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(methylthio)- (9CI) (CA INDEX NAME)

RN 120068-58-8 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1-methylethyl)thio]- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1987:613615 CAPLUS

DOCUMENT NUMBER: 107:213615

Preparation of N-phenylpyrazoles as insecticides, TITLE:

nematocides, acaricides, and anthelmintics

INVENTOR (S): Hatton, Leslie Roy; Hawkins, David William; Parnell,

Edgar William; Pearson, Christopher John; Roberts,

David Alan

PATENT ASSIGNEE(S): SOURCE:

May and Baker Ltd., UK PCT Int. Appl., 191 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8703781 W: BR	A1	19870702	WO 1986-GB781	19861219
CA 1311242	A1	19921208	CA 1986-525574	19861217
DK 8606139				19861218
DK 175129				
FI 8605195	Α	19870621		19861218
FI 93445 FI 93445 AU 8666733 AU 587676	В	19941230		
FI 93445	C	19950410		
AU 8666733	A1	19870625	AU 1986-66733	19861218
AU 587676	B2	19890824	, , , , , , , , , , , , , , , , , , , ,	
ZA 8609526	Α	19880727	ZA 1986-9526	19861218
DD 265318	A5	19890301		19861218
IL 81025				
PL 158243	B1	19920831		
PL 160050 RU 2106783 CN 86108643 CN 1025811	B1	19930226	PL 1986-273280	19861218
RU 2106783	C1	19980320	RU 1986-4028776	19861218
CN 86108643	Α	19870729	CN 1986-108643	19861219
CN 1025811	В	19940907		
EP 234119	A1	19870902	EP 1986-309981	19861219
EP 234119	B1	19940824		
R: AT, BE, CH,	DE, ES	FR, GB,	GR, IT, LI, LU, NL, SE	
			JP 1986-303598	19861219
JP 62228065 JP 07062000	B4	19950705		
HU 45022 HU 203083 BR 8607230 EP 579280	A2	19880530	HU 1986-5365	19861219
HU-203083	В	19910528		
BR 8607230	Α	19881206	BR 1986-7230	19861219
EP 579280	A1	19940119	EP 1993-115360	19861219
EP 579280	B1	19960228		
R: AT, BE, CH,	DE, DK	C, ES, FR,	GB, GR, IT, LI, LU, NL, S	E
ES 2058063	T3	19941101	ES 1986-309981	
AT 134476	E	19960315	AT 1993-115360	19861219
ES 2084430	T3	19960501	ES 1993-115360	19861219
AT 134476 ES 2084430 RU 2035452 RU 2080789	C1	19950520	RU 1987-4203543	19871027
RU 2080789	C1	19970610	RU 1987-4203558	19871027
RU 2087470	C1	19970820	RU 1991-4894748	19910322
PRIORITY APPLN. INFO.:			ES 1993-115360 RU 1987-4203543 RU 1987-4203558 RU 1991-4894748 GB 1985-31485 A	19851220
			WO 1986-GB781 A	19861219

$$\mathbb{R}^{3}$$
 \mathbb{R}^{4} \mathbb{I} \mathbb{R}^{4} \mathbb{I} \mathbb{R}^{3} \mathbb{I} \mathbb{R}^{3} \mathbb{I}

The phenylpyrazoles I (Y = halo, CN, NO2, RSO2, RSO, RS; R = C1-6 alkyl, haloalkyl, C3-5 cycloalkyl, C2-8 alkenyl, etc.; Z = Z = H, NR1R2, alkylsulfenylamino, alkoxymethyleneamino, etc.; R1, R2 = H, alkyl, alkoxycarbonylalkyl, cycloalkyl, formyl, alkanoyl, etc.; R3 = halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, NO2, CN, etc.; R4 = halo, CN, NO2, alkyl, etc.; n = 1-5) and I salts are prepared as pesticides.

2-Chloro-1,1-dicyano-2-trifluoromethylethylene in Et2O was added to 2,6-dichloro-4-trifluoromethylphenylhydrazine (preparation given) in Et2O in the presence of K2CO3 to give 5-amino-4-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-trifluoromethylpyrazole (III). Exposure to turnip leaves treated with 500 ppm III was lethal to 2nd instar Plutella xylostella larvae. A dusting powder was made of 10% IV and 90% talc.

IT 111234-69-6

RL: RCT (Reactant); RACT (Reactant or reagent)
 (acylation of)

RN 111234-69-6 CAPLUS

CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

IT 111234-59-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with malononitrile)

RN 111234-59-4 CAPLUS

CN Acetic acid, chloro[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-, ethyl ester (9CI) (CA INDEX NAME)

IT 111234-69-6P 111245-94-4P 111246-58-3P

111246-59-4P 111246-72-1P 111246-73-2P

111246-99-2P 111247-00-8P 111247-01-9P

111275-41-3P 111275-42-4P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pesticide)

L5 ANSWER 18 OF 277 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:5872 CAPLUS

DOCUMENT NUMBER: 134:127264

TITLE: Evaluation of insecticide and fungicide

combinations for the control of onion maggot (Delia antiqua) and onion smut (Urocystis cepulae) in Ontario Hoepting, C. A.; Scott-Dupree, C. D.; Harris, C. R.;

AUTHOR(S): Hoepting, C. A.; Scott-Dupree, C. D.; Harris, C. R.;

Ritcey, G.; McDonald, M. R.

CORPORATE SOURCE: Department of Environmental Biology, University of

Guelph, Guelph, ON, N1G 2W1, Can.

SOURCE: BCPC Conference--Pests & Diseases (2000),

(Vol. 1), 279-284 CODEN: BCDCAE

PUBLISHER: British Crop Protection Council

DOCUMENT TYPE: Journal LANGUAGE: English

AB A study was conducted to determine the effectiveness of combinations of insecticides (chlorpyrifos, cyromazine, phosetbupirin+cyfluthrin and fipronil) and fungicides (carbathiin+thiram, mancozeb, and carbathiin+thiram+mancozeb) for control of onion maggot (OM) (Delia antiqua) and onion smut (OS) (Urocystis cepulae) in onions grown in Ontario. Effective OM and OS control was achieved with insecticide treatments in combination with carbathiin+thiram+mancozeb. Cyromazine and fipronil seed treatments provided best OM control. Best OS control was achieved with carbathiin+thiram seed treatment+granular in-furrow applications of mancozeb and chlorpyrifos.

IT 120068-37-3, Fipronil)

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (combination with fungicides; insecticide and fungicide combinations for the control of onion maggot and onion smut)

RN 120068-37-3 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)

ANSWER 20 OF 277 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:1390 CAPLUS

DOCUMENT NUMBER: 134:127255

TITLE: Novel seed treatments to control soil pests of sugar

beet

AUTHOR(S): Dewar, A. M.; Haylock, L. A.; Bean, K. M.; Ecclestone,

P. M. J.

CORPORATE SOURCE: IACR-Broom's Barn, Suffolk, IP28 6NP, UK

SOURCE: BCPC Conference--Pests & Diseases (2000),

(Vol. 3), 907-912

CODEN: BCDCAE

PUBLISHER: British Crop Protection Council

DOCUMENT TYPE: Journal LANGUAGE: English

AB Mixts. of tefluthrin (at 4 g a.i./unit) and imidacloprid (at either 15 g or 60 g a.i./unit) applied to pelleted seed of sugar beet gave consistently better control of springtails, millipedes, symphylids and wireworms in 20 field trials compared to either insecticide applied alone. Fipronil at 50 or 100 g a.i./unit was phytotoxic in several trials. Thiamethoxam (at 60 g a.i./unit) gave moderate control of the soil pests when applied alone, but, as with imidacloprid, performed better when mixed with tefluthrin. None of the seed treatments tested gave effective control of leatherjackets.

IT 120068-37-3, Fipronil 181586-97-0, Fipronil-imidacloprid mixture

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (seed treatments to control soil pests of sugar beet)

RN 120068-37-3 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)

$$C1$$
 CF_3
 F_3C-S
 NH_2

RN 181586-97-0 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CAINDEX NAME)

CM 1

CRN 138261-41-3 CMF C9 H10 C1 N5 O2

```
=> E ANCEL JEAN ERICK/AU 25
E1
             2
                   ANCEL J/AU
E2
             3
                   ANCEL J E/AU
E3
            21 --> ANCEL JEAN ERICK/AU
E4
                   ANCEL JEAN ERIK/AU
                   ANCEL L/AU
E5
                   ANCEL LAUREN W/AU
E6
             1
                   ANCEL LAUREN WEINSTOCK/AU
E7
             1
E8
             1
                   ANCEL M/AU
E9
                   ANCEL MARIE HELENE/AU
             1
                   ANCEL P/AU
E10
            43
                   ANCEL PAUL/AU
E11
            10
                   ANCEL REGINE/AU
E12
             1
E13
             1
                   ANCEL RENE/AU
E14
             1
                   ANCEL SELWYN/AU
E15
             5
                   ANCEL SELWYN J/AU
E16
             5
                   ANCEL SUZANNE/AU
E17
             1
                   ANCEL THOMAS A/AU
E18
             1
                   ANCELET DARIA/AU
E19
             1
                   ANCELET J/AU
E20
             1
                   ANCELET ROGER C/AU
E21
             2
                   ANCELIN/AU
E22
             1
                   ANCELIN C/AU
E23
            13
                   ANCELIN H/AU
E24
             1
                   ANCELIN J/AU
E25
                   ANCELIN JEAN/AU
=> S (E2 OR E3 OR E4) AND (?PYRAZOL?)
             3 "ANCEL J E"/AU
            21 "ANCEL JEAN ERICK"/AU
             1 "ANCEL JEAN ERIK"/AU
         66794 ?PYRAZOL?
L1
             5 ("ANCEL J E"/AU OR "ANCEL JEAN ERICK"/AU OR "ANCEL JEAN ERIK"/AU)
AND (?PYRAZOL?)
=> s l1 and pest?
         96423 PEST?
             3 L1 AND PEST?
=> d l2 1-3 ibib abs hitstr
L2
     ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:
                         2000:725593 CAPLUS
DOCUMENT NUMBER:
                         133:281600
TITLE:
                         Processes for preparing aniline- and
                         2-aminopyridine-derivative pesticide
                         intermediates by hydrogenolysis of the corresponding
                         hydrazine derivatives
INVENTOR(S):
                         Ancel, Jean-Erick; Perrin-Janet, Gilles;
                         Vangelisti, Manuel; Versproumy, Pierre
PATENT ASSIGNEE(S):
                         Aventis CropScience SA, Fr.
SOURCE:
                         PCT Int. Appl., 16 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                         KIND
                                            APPLICATION NO.
                                DATE
                                                                    DATE
                         ----
                                -----
                                            -----
     WO 2000059862
                          A2
                                20001012
                                            WO 2000-EP3103
```

WO 2000059862

A3

20010222

```
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
             CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
             LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
             SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
             ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                          CA 2000-2368758
     CA 2368758
                          AA
                                20001012
                                                                    20000330
     EP 1165485
                                            EP 2000-922613
                          A2
                                20020102
                                                                    20000330
    EP 1165485
                          В1
                                20040512
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     BR 2000009453
                                20020108
                                            BR 2000-9453
                          Α
                                                                    20000330
     JP 2002541131
                          T2
                                            JP 2000-609375
                                20021203
                                                                    20000330
    AU 770029
                          B2
                                20040212
                                            AU 2000-42941
                                                                    20000330
    AT 266618
                          E
                                20040515
                                            AT 2000-922613
                                                                    20000330
     PT 1165485
                          Т
                                20040831
                                            PT 2000-922613
                                                                    20000330
                          C2
    RU 2235718
                                20040910
                                            RU 2001-129283
                                                                    20000330
     ES 2215642
                          T3
                                20041016
                                          ES 2000-922613
                                                                    20000330
     ZA 2001007829
                          Α
                                20021223
                                            ZA 2001-7829
                                                                    20010921
     BG 106002
                          Α
                                20020628
                                            BG 2001-106002
                                                                    20011010
    HR 2001000798
                         A1
                                20021231
                                            HR 2001-798
                                                                    20011029
     US 6410737
                          B1
                                20020625
                                            US 2002-937816
                                                                    20020104
PRIORITY APPLN. INFO.:
                                            GB 1999-7458
                                                                A 19990331
                                            WO 2000-EP3103
                                                                W 20000330
OTHER SOURCE(S):
                         CASREACT 133:281600; MARPAT 133:281600
GI
```

AB The title compds. (I; R = H; R1 = haloalkyl, haloalkoxy, SF5; W = N, CR3; R2, R3 = H, Cl) or their acid-addition salts, useful as intermediates for the preparation of **pesticides**, are prepared in high yield and selectivity by the hydrogenolysis of the corresponding hydrazine derivs. I (R = NH2). Thus, 4-(trifluoromethyl)phenylhydrazine was dissolved in MeOH and heated with Raney nickel at reflux for 1 h, producing 4-(trifluoromethyl)aniline in 100% yield.

L2 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:553565 CAPLUS

DOCUMENT NUMBER: 133:164052

TITLE: New process for preparing 5-amino-1-aryl-3-

cyanopyrazoles as pesticidal

intermediates

INVENTOR(S): Ancel, Jean-Erick

PATENT ASSIGNEE(S): Aventis CropScience SA, Fr.

SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.					KIND DATE			APPLICATION NO.							DATE		
								WO 2000-EP1101									
	2000																
	W:	ΑE,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG	, BR,	BY,	CA,	CH,	CN,	CR,	CU,
											, GE,						
		IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC	, LK,	LR,	LS,	LT,	LU	LV,	MA,
		MD,	MG,	MK,	MN,	MW,	MX,	NO,	NZ,	PL	, PT,	RO,	RU,	SD,	SE	SG,	SI,
		SK,	SL,	TJ,	TM,	TR,	TT,	TZ,	UA,	UG	, US,	UZ,	VN,	YU,	ZA	ZW,	AM,
		AZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM								
	RW:	GH,	GM,	KE,	LS,	MW,	SD,	SL,	SZ,	TZ	, UG,	ZW,	ΑT,	ΒE,	CH,	CY,	DE,
		DK,	ES,	FI,	FR,	GB,	GR,	ΙĒ,	ΙT,	LU	, MC,	NL,	PT,	SE,	BF,	ВJ,	CF,
		CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	NE	, SN,	TD,	TG				
FR	2789	387			A1		2000	0811		FR	1999-	1469]	9990	204
FR	2789	387			B1		2001	0914									
CA	2362	217			AA		2000	0810	1	CA .	2000-	2362	217		2		
EP	1149	082			A2		2001	1031		EΡ	2000-	9140	81		2	20000	201
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	, IT,	LÍ,	LU,	NL,	SE,	MC,	PT,
							RO										
BR	2000	0079	82		Α		2001	1218	1	BR	2000- 2000-	7982			2	20000	201
JP	2002	5363	67		T2		2002	1029		JP	2000-	5972	80		2	20000	201
AU	7676	03			B2		2003			AU :	2000-	3552	4		2	20000	201
RU	2236	403			C2		2004	0920	1	RU :	2001-	1244	00		2	20000	201
BG	2236 1057	66			Α		2002	0329	1	BG :	2001-	1057	66		2	20010	801
ZA	200T	0063	59		Α		2002			ZA :	2001-	6369			2		
HR	2001	00064	42		A1		2002	0831	1	HR :	2001-	642			2	20010	831
US	6620	944			BI		2003	0916	1	US :	2001-	8906	53		2	20011	102
US	2004	03014	40		A 1		2004	0212		US .	2003-	6213	44		2	20030	718
PRIORITY	Y APP	LN.	INFO	.:						FR	1999-	1469		7	A 1	9990	204
											2000-					20000	
									1	US :	2001-	8906	53	1		20011	102
OTHER SO	OURCE	(S):			CASI	REAC	T 13	3:164	1052	; M	ARPAT	133	:164	052			

 R^3 CN H_2N N N R^2

GΙ

R7-CH-N R2-W

AB The title compds. [I; W = N, CR4; R1 = halo, haloalkyl, haloalkoxy, etc.; R2 = H, halo; R3 = H, R6SOm; R4 = halo; R6 = alkyl, haloalkyl; m = 0-2] were prepared by reacting the compound II [R7 = a leaving group; R8 = Cl, Br] with a cyanide salt.

ΙI

L2 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

 R^1

Ι

1998:612076 CAPLUS

DOCUMENT NUMBER:

129:245146

TITLE:

Processes for preparing pyrazoles as

pesticidal intermediates

D'silva, Themistocles; Ancel, Jean-erick

Rhone-Poulenc Agro, Fr. PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE:

INVENTOR(S):

SOURCE:

Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT ASSIGNEE(S):

W	E	NT	NO.			KIN	D -	DATE			APP	LICA	ΙΤΙ	ON I	NO.		D.	ATE	
IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY MD, RU, TJ, TM RW: GH, GM, KE, LS, MM, SD, SZ, UG, ZW, AT, BE, CH, DE, DK FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG GA, GN, ML, MR, NE, SN, TD, TG GB 2324086 A1 19981014 GB 1997-5316 CA 2281892 AA 19980911 CA 1998-2821892 AU 9868232 AI 19980922 AU 1998-68232 AU 744505 B2 20020228 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000208 BR 1998-7988 A 20000208 BR 1998-7988 A 20000208 BR 1998-7988 A 20000208 BR 1998-9902141 TZ 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 B 20010815 AT 1998-913586 DJP 2001513792 TZ 200108015 AT 1998-913586 DJP 2001513792 TZ 20010901 DJP 1998-538116 DJP 3507509 B2 20040315 PT 966445 T 2001130 PT 1998-913586 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 CA 9801611 A 19991027 BP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE IE, SI, LT, LV, FI, RO EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE IE, SI, LT, LV, FI, RO CA 2328832 AA 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BT, CA, CH, CN, CU, DK, EE, FI, GB, GR, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM RW: GH, GM, KE, LS, MW, SD, LS, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG BR 9909756 A 20001219 BR 9909756 BR 9909756 BR 20001219 BR 1999-923471 BI 20011201 BR 1999-923471 BI 2001207 EP 1073627 BI 2001207 EP 1999-923471																		 9980	225
SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG GA, GN, ML, MR, NE, SN, TD, TG GB 2324086 A1 19981014 GB 1997-5316 CA 2281892 AA 19980911 CA 1998-2281892 AU 744505 B2 20020228 EP 966445 A1 19991229 EP 1998-913586 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 A 20010629 NZ 1998-337840 A 20010629 NZ 1998-337840 A 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 CN 1103759 B2 20040315 PT 966445 T 20011130 PT 1998-8538116 JP 201513792 T2 20010904 JP 1998-8538116 JP 201513792 T2 20010904 JP 1998-8538116 JP 201513792 T2 20010904 JP 1998-913586 CN 1103759 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B2 20040315 PT 9652144 A1 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 A1 19991028 W0 1999-EP2834 W0 9954288 A1 19991028 W0 1999-EP2834 W0 9954288 A1 19991028 W0 1999-EP2834 W1 1999-EP2834 W1 1999-EP2834 W2 1999-EP2834 W3 1999-EP2834 W4 1999-EP2834 W5 1999-EP2834 W6 1999-EP2834 W7 1999-EP2834 W8 1999-EP2834 W9 19	1	W:	ΑL,	AU,	BA,	BB,	BG,	BR,	CA,	CN,	CU	, CZ	Ζ,	EE,	GE,	GW,	HU,	ID,	IL,
SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG GA, GN, ML, MR, NE, SN, TD, TG GB 2324086 A1 19981014 GB 1997-5316 CA 2281892 AA 19980911 CA 1998-2281892 AU 744505 B2 20020228 EP 966445 A1 19991229 EP 1998-913586 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 A 20010629 NZ 1998-337840 A 20010629 NZ 1998-337840 A 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 DP 201513792 T2 20010904 JP 1998-538116 JP 201513792 T2 20010304 JP 1998-538116 JP 3607509 B2 20040315 PT 966445 T 20011130 PT 1998-802977 SK 283403 B6 20030701 SK 1999-1191 A 19990025 A1 19991027 EP 1998-420069 EP 952144 B1 2003618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 B1 20036618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 WO 1999-EP2834 WO 9954288 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CM, CM, CM, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CT, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG EP 1073627 B1 20041201																			
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, GA, GN, ML, MR, NE, SN, TD, TG GB 2324086 A1 19981014 GB 1997-5316 CA 2281892 AA 19980912 AU 1998-68232 AU 1998-68232 AU 1998-68232 AU 1998-68232 AU 1998-68232 AU 1998-68232 AU 1999-28288 AI 19991022 EP 1998-913586 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 AI 20010629 NZ 1998-337840 AI 20010629 NZ 1998-337840 AI 20010629 NZ 1998-313586 AI 2001091 ES 1998-913586 AI 2001091 ES 1998-913586 AI 2001091 ES 1998-913586 AI 2001091 AI 2001513792 T2 20010904 JP 1998-538116 JP 2001513792 T2 20010904 JP 1998-538116 JP 3007509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 AI 1999-0927 EP 1998-400069 EP 952144 AI 19990825 AI 1998-1191 AI 1999-1027 EP 1998-420069 EP 952144 AI 19991027 EP 1998-420069 EP 952144 AI 19991027 EP 1998-420069 EP 952144 AI 19991027 EP 1998-420070 AI 1998-1191 AI 1999-1027 EP 1998-420070 AI 1998-1191 AI 1999-1028 AU 1999-P2238832 AI 19991028 AI 19991028 CA 1999-2328832 AI 19991028 AI 1999-1028 AI 1																			
FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG GA, GN, ML, MR, NE, SN, TD, TG GB 2324086 Al 19981014 CB 1997-5316 CA 2281892 AA 19980911 CA 1998-2281892 AU 744505 B2 20020228 EP 966445 EP 966445 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010901 ES 1998-913586 DJP 2001513792 T2 20010904 JP 1998-913586 DJP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 A 1999025 A 19990825 A 1998-1611 EP 952144 Al 19991027 EP 1998-420069 EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 Al 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 AA 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, LT, LT, LT, LT, LT, LT, LT, LT, LT, LT			MD,	RU,	TJ,	TM								•	-	-	•	-	Ī
FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG GA, GN, ML, MR, NE, SN, TD, TG GB 2324086 Al 19981014 CB 1997-5316 CA 2281892 AA 19980911 CA 1998-2281892 AU 744505 B2 20020228 EP 966445 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, SI, FI BR 9807988 A 20003038 BR 1998-7988 R 9902141 T2 200002021 RT 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 S2 158676 T3 20010904 JP 1998-913586 DJP 2001513792 T2 20010904 JP 1998-913586 DJP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 A 19990825 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 EP 952144 A1 19991027 EP 1998-420069 EP 952144 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 AU 756218 BR 9909756 A 20001219 BR 1999-923471 EP 1073627 BI 20010207 EP 1999-923471 II 20010207 EP 1999-923471		RW:	GH,	GM,	ΚĖ,	LS,	MW,	SD,	SZ,	UG,	ZW	, AT		BE,	CH,	DE,	DK,	ES,	FI,
GA, GN, ML, MR, NE, SN, TD, TG GB 2324086 A1 19981014 GB 1997-5316 CA 2281892 AA 19980912 AU 1998-68232 AU 9868232 A1 19980922 AU 1998-68232 AU 744505 B2 20020228 EP 966445 A1 19991229 EP 1998-913586 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 ES 2158676 T3 20010629 NZ 1998-337840 AT 203521 E 20010629 NZ 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 ES 2158676 T3 20010901 BS 1998-913586 DJ 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 AA 19991027 EP 1998-420069 EP 952144 A1 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE IE, SI, LT, LV, FI, RO CP 952145 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE IE, SI, LT, LV, FI, RO CA 2328832 AA 19991028 CA 1999-2328832 WO 9954288 A1 19991028 CA 1999-2328832 WO 1999-EP2834 A1 19991028 CA 1999-2328832 WO 1999-EP2834 A1 19991028 CA 1999-2328832 WO 1999-EP2834 A1 19991028 CA 1999-2328832 WO 1999-2328832 AA 19991028 WO 1999-EP2834 WO SALVE PT, WO, WO, WO, WO, WO, WO, WO, WO, WO, WO																			
GB 2324086												• –		,	,	,	,	,	,
AU 744505 B2 20020228 EP 966445 A1 19991229 EP 1998-913586 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 JP 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 EP 952144 A1 1999027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 AA 19991028 CA 1999-2328832 EX 19981488 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, LT, LM, CM, NL, PT, SE, BF, BJ, CI, CM, GM, GM, ML, MR, NE, SN, TD, TG AU 9940339 A1 1999108 AU 1999-40339 A1 1999108 BR 9909756 A 2000109 BR 1999-9756 IN 20010207 EP 1999-923471 IN 1999108 BR 9909756 A 20001219 BR 1999-9756 IN 20010207 EP 1999-923471 IN 1999108 BR 9909756 A 20001207 EP 1999-923471 IN 19991073627 BI 20010207 EP 1999-923471 IN 19991073627	2.	324		•			•	1998	1014		GB	1997	7-5	316			1	9970	314
AU 744505 B2 20020228 EP 966445 A1 19991229 EP 1998-913586 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 JP 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 A1 1999025 A1 1998-1611 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 A1 19991028 CA 1999-2328832 IN 19991028 WO 1999-EP2834 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CH, CY, CY, CY, CY, CY, CY, CY, CY, CY, CY	2	281	892			AA		1998	0911		CA	1998	-2	2818	892		1	9980	225
AU 744505 B2 20020228 EP 966445 A1 19991229 EP 1998-913586 EP 966445 B1 20010725 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 JP 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 ZA 9801611 A 19990825 ZA 1998-1611 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 A1 19991027 EP 1998-420070 CA 2328832 A1 19991028 CA 1999-2328832 IN SE, SI, LT, LV, FI, RO CA 2328832 A1 19991028 CA 1999-2328832 IN SE, SI, LT, LV, FI, RO CA 2328832 A1 19991028 CA 1999-2328832 IN SE, SI, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CL, LK, LK, LK, LS, LT, LW, MC, NL, PT, SE, BF, BJ, CA, CN, CM, ML, MR, NE, SN, TD, TG AU 9940339 A1 199910027 EP 1999-92347	9.	868	232			A1		1998	0922		AU	1998	-6	8232	2	-	1	9980	225
EP 966445 EP 97 EP 1998-913586 EP 966445 EP 97 EP 1998-913586 EP 9807988 EP 1998-7988 EP 1999-7956 EP 1999-923471 EP 1999-923471 EP 1999-923471 EP 1999-923471 EP 1999-9756 EP 1999-923471 EP 1999-923471 EP 1973627 EP 1999-923471 EP 1973627 EP 1999-923471	7	445	05			B2		2002	0228				-		_		_		
EP 966445 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 A 20010629 NZ 1998-337840 A 20010629 NZ 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 CS 2158676 T3 20010901 ES 1998-913586 CS 2158676 T 20011130 PT 1998-913586 CS 2158676 T 20011130 PT 1998-913586 CS 2158676 T 2001130 PT 1998-913586 CS 2158676 CS 238403 B6 20030701 CS 21999-1191 CS 2199-1191 CS 21944 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 AA 19991027 EP 1998-420070 CA 2328832 AA 19991028 CA 1999-2328832 AA 19991028 WO 1999-EP2834 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, C1, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 AU 756218 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 A 200012201 BR 1999-923471 B1 20041201	9	664	45			A1		1999	1229		EР	1998	- 9	1358	86		1	9980	225
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 DP 2001513792 T2 20010904 JP 1998-538116 JP 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 ZA 9801611 A 19990825 ZA 1998-1611 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO A1 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GM, GM, MM, MN, NS, SD, GM, GW, ML, MR, NE, SN, TD, TG AU 9940339 AU 756218 B2 20030109 BR 1999-756 A1 20010207 EP 1999-923471 DI 3000000000000000000000000000000000000	9	664	45			В1		2001	0725				•				_	,,,,,	
SI, FI BR 9807988 A 20000308 BR 1998-7988 TR 9902141 TZ 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 JP 2001513792 TZ 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 ZA 9801611 A 19990825 ZA 1998-1611 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952144 B1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 AA 19991028 CA 1999-2328832 WO 9954288 A1 19991028 CA 1999-2328832 WO 9954288 A1 19991028 WO 1999-EP2834 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CT, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-923471 19 BR 9909756 A 20001219 BR 1999-9756 EP 1073627 A1 20010207 EP 1999-923471											GR	. IT	,	TıT.	T.U.	NT.	SE.	PT.	ΤE
BR 9807988 A 20000308 BR 1998-7988 TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 JP 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 ZA 9801611 A 19990825 ZA 1998-1611 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 A1 19991027 EP 1998-420069 EP 952145 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 AA 19991028 WO 1999-EP2834 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, C1, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 1999108 AU 1999-40339 AU 756218 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 EP 1073627 A1 20041201			SI.	FI	,	,	,		,	02,	0	,	,	,	20,	,	55,	,	,
TR 9902141 T2 20000421 TR 1999-9902141 NZ 337840 A 20010629 NZ 1998-337840 AZ 203521 E 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 JP 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 BB 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 ZA 9801611 A 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 WO 1999-2328832 WO 9954288 A1 19991028 WO 1999-EP2834 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-9756 EP 1073627 B1 20041201	9	807				А		2000	0308		BR	1998	-7	988			1	9980	225
NZ 337840 A 20010629 NZ 1998-337840 AT 203521 E 20010815 AT 1998-913586 ES 2158676 T3 20010901 ES 1998-913586 JP 2001513792 T2 20010904 JP 1998-538116 JP 3507509 B2 20040315 PT 966445 T 20011130 PT 1998-913586 CN 1103759 B 20030326 CN 1998-802977 SK 283403 B6 20030701 SK 1999-1191 EP 952144 A1 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 A1 19991027 EP 1998-420070 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 WO 1999-2328832 WO 9954288 A1 19991028 WO 1999-EP2834 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TM, TM, TM, TM, TM, TM, TM, TM, TM						Т2													
DP 3507509	3	378	40			A													
DP 3507509	2	035	21			E		2001	0815		ΑТ	1998	-9	1358	86		1	9980	225
DP 3507509	2	158	676			Т3		2001	0901		ES	1998	-9	135	86		1	9980	225
DP 3507509	2	001	5137	92		Т2		ついいし	0904		.TP	1998	-5	3811	16		1	9980	225
ZA 9801611 EP 952144 A1 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991028 A1 19991028 A1 19991028 A2 1999-9756 A 20001219 A2 1999-9756 A3 20001219 A3 1999-9756 A4 20001207 EP 1999-923471 A1 20010207 EP 1999-923471 A2 20041201	<u>.</u>	507	509	-		B2		2004	0315		01	1,,,,	, ,	JU1.	10		_	J J O O	227
ZA 9801611 EP 952144 A1 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991028 A1 19991028 A1 19991028 A2 1999-9756 A 20001219 A2 1999-9756 A3 20001219 A3 1999-9756 A4 20001207 EP 1999-923471 A1 20010207 EP 1999-923471 A2 20041201	9	664	45			т		2001	1130		рт	1998	- 9	1358	86		1	9980	225
ZA 9801611 EP 952144 A1 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991028 A1 19991028 A1 19991028 A2 1999-9756 A 20001219 A2 1999-9756 A3 20001219 A3 1999-9756 A4 20001207 EP 1999-923471 A1 20010207 EP 1999-923471 A2 20041201	1	103	759			B		2003	0326		CN	1998	Q	029	77		1	9980	225
ZA 9801611 EP 952144 A1 19991027 EP 1998-420069 EP 952144 B1 20030618 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991028 A1 19991028 A1 19991028 A2 1999-9756 A 20001219 A2 1999-9756 A3 20001219 A3 1999-9756 A4 20001207 EP 1999-923471 A1 20010207 EP 1999-923471 A2 20041201	2	834	03			B6		2003	0701		SK	1999	1_1	191	' '		1	9980	225
EP 952144 EP 952144 EP 952144 EP 952144 EP 952144 EP 952145 EP 1998-420069 EP 1998-420069 EP 952145 EP 1998-420070 EP 1998-420069 EP 1998-420070 EP 1998-420069 EP 1999-923471 EP 1073627 EP 1073627 EP 1999-923471 EP 1073627 EP 1999-923471 EP 1073627 EP 1999-923471	9	801	611			Δ		1999	0825		7.A	1999	_1	611			1	0000	222
EP 952144 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 A1 19991108 A1 19991108 A1 1999109756 A 20001219 BR 1999-9756 A 20001219 BR 1999-923471 EP 1073627 B1 20041201								1999	1027		ED	1998	-4	2004	٤0		1	9960 1000	420
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 1999108 A2 20030109 BR 9909756 A 20001219 BR 1999-923471 EP 1073627 B1 20041201												1000	· - 1 ·	2000	5 5		1	9900	420
IE, SI, LT, LV, FI, RO EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 A1 19991108 A2 20030109 BR 9909756 A 20001219 BR 1999-923471 EP 1073627 B1 20041201				BE.	CH.						GR	τ'n	, .	T.T	T.T	NT.	C F	мС	рπ
EP 952145 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 Al 19991028 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-9756 A 20001219 BR 1999-9756 EP 1073627 B1 20010207 EP 1999-923471 EP 1073627	•	•••	TE.	ST.	T.T	LW,	FT.	RO,	- 10,	UD,	Oic	, 11	,	ш.,	шо,	мш,	JE,	MC,	ΕΙ,
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 A1 19991028 WO 1999-EP2834 WE: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 A1 19991108 AU 1999-9756 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 A 20001219 BR 1999-923471 EP 1073627 B1 20041201	91	521			,				1027		ED	1998	-4	200	70		1	مععم	42N
IE, SI, LT, LV, FI, RO CA 2328832 WO 9954288 Al 19991028 WO 1999-EP2834 WE AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 Al 19991108 AU 1999-9756 BR 9909756 A 20001219 BR 1999-9756 BR 1999-923471 BP 1073627 BI 20041201					СН														
CA 2328832 WO 9954288 A1 19991028 WO 1999-EP2834 WI: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-9756 BR 9909756 A 20001219 BR 1999-9756 BP 1073627 B1 20041201			IE.	SI.	LT.	LV.	FT.	RO,	,	05,	Q.C	,	,	 ,	шо,	Мш,	JH,	1.10,	ΕΙ,
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-40339 A1 19991108 BR 9909756 A 20001219 BR 1999-9756 A 20010207 EP 1999-923471 EP 1073627 B1 20041201	2.	328		J.,	,	ΔΔ	,	1999	1028		$C\Delta$	1999	-2	3288	222		1	مممم	111
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-40339 A1 19991108 BR 9909756 A 20001219 BR 1999-9756 A 20010207 EP 1999-923471 EP 1073627 B1 20041201						A1		1999	1028	,	WO.	1999	-E	D281	34		1	9990	414
DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-40339 A1 20010207 BR 1999-9756 A 20001219 BR 1999-9756 EP 1073627 B1 20041201				AM.	AΤ	ΔII	Δ7.	RA	BB	BG	BP.	RV		720.	LΠ ΣΞ	CNI	CII	777U	בת בדב
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-40339 A1 20030109 BR 9909756 A 20001219 BR 1999-9756 A 20010207 EP 1999-923471 EP 1073627 B1 20041201	•																		
MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 A1 19991108 AU 1999-40339 A1 20030109 BR 9909756 A 20001219 BR 1999-9756 EP 1073627 B1 20041201																			
TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 Al 19991108 AU 1999-40339 Al 19991108 BE 20030109 BR 9909756 A 20001219 BR 1999-9756 EP 1073627 Al 20010207 EP 1999-923471 EP 1073627 Bl 20041201																			
TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 Al 19991108 AU 1999-40339 Al 19991108 BE 20030109 BR 9909756 A 20001219 BR 1999-9756 EP 1073627 Al 20010207 EP 1999-923471 EP 1073627 Bl 20041201																			
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 1 AU 756218 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 1 EP 1073627 A1 20010207 EP 1999-923471 1 EP 1073627 B1 20041201					ου,	00,	02,	· · · · ·	10,	an,	211	, 1111	, 4	A2,	ы,	110,	ΝД,	и,	ĸo,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 1 AU 756218 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 1 EP 1073627 A1 20010207 EP 1999-923471 1 EP 1073627 B1 20041201	Ţ	RW:	•		KE	LS	MW	SD	ST.	SZ	נוכ	7.W	, ;	Тα	BE	СĦ	CV	ידת	חע
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9940339 A1 19991108 AU 1999-40339 AU 756218 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 EP 1073627 A1 20010207 EP 1999-923471 EP 1073627 B1 20041201	•																		
AU 9940339 A1 19991108 AU 1999-40339 1 AU 756218 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 1 EP 1073627 A1 20010207 EP 1999-923471 1 EP 1073627 B1 20041201															,	DF ,	, טע	CF,	cu,
AU 756218 B2 20030109 BR 9909756 A 20001219 BR 1999-9756 1 EP 1073627 A1 20010207 EP 1999-923471 1 EP 1073627 B1 20041201	90	940		J. 1 ,	J. 1 ,		٠.٠,								a		1 (9990	411
BR 9909756 A 20001219 BR 1999-9756 1 EP 1073627 A1 20010207 EP 1999-923471 1 EP 1073627 B1 20041201											. 10				•		1	J J 3 U	4 T #
EP 1073627 A1 20010207 EP 1999-923471 1 EP 1073627 B1 20041201						_					RP .	1990	_ a ·	756			1 (9990	414
EP 1073627 B1 20041201															71			9990	
												エノシラ	- 2.	2J4	, T		1	7770	114
		073 R:		BF	CH		חג			GP	СD	Τ·T	, ,	т.т	TII	NIT	CE	חיים	TE
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,			лı,	ue,	Cn,	, au	DR,	, ca	rK,	σĎ,	GR	, 11	,	шт,	μU,	иг,	oв,	P1,	ır,

JP 2002512218	Т2	20020423	JP	2000-544629		19990414
TW 519534	В	20030201	TW	1999-88105957		19990414
RU 2223950	C2	20040220	RU	2000-129143		19990414
AT 283839	E	20041215	AT	1999-923471		19990414
EG 22148	A	20020930	EG	1999-419		19990420
MX 9908043	Α	20000228	MX	1999-8043		19990831
US 6084105	Α	20000704	US	1999-388524		19990902
BG 103751	Α	20010531	BG	1999-103751		19990921
BG 64277	B1	20040831				
US 6258973	B1	20010710	US	2000-572948		20000517
HK 1027102	A1	20030829	HK	2000-106287		20001004
ZA 2000005745	Α	20010510	ZA	2000-5745		20001017
US 6392081	B1	20020521	US	2000-673801		20001222
GR 3036282	Т3	20011031	GR	2001-400314		20010726
US 2002128485	A1	20020912	US	2002-120479		20020412
US 6673956	B2	20040106				
CN 1421439	Α	20030604	CN	2002-152640		20021126
US 2004198985	Al	20041007	US	2003-703417		20031110
PRIORITY APPLN. INFO.:			US	1997-39516P	P	19970303
			GB	1997-5316	A	19970314
			WO	1998-EP1057	W	19980225
•			EP	1998-420069	Α	19980420
			EΡ	1998-420070	Α	19980420
•			WO	1999-EP2834	W	19990414
			US	1999-388524	А3	19990902
				2000-673801	A3	20001222
			US	2002-120479	A3	20020412
OTHER SOURCE(S):	CASRE	ACT 129:2451	46; N	MARPAT 129:245146		

GI

The title compds. [I; W = N, CR4; R2, R4, R5, R6 = H, halo, C1-6 alkyl, etc.; R3 = H, halo, C1-6 alkyl, etc.], useful as intermediates in the synthesis of **pesticidally** active compds, were prepared by cyclization of hydrazonosuccinonitrile II in the presence of a base. Succinonitrile II was obtained by reaction of NCCH2CH(CN)CHO or its enolic form with a diazonium salt III or by oxidation of the hydrazinosuccinonitrile IV.

REFERENCE COUNT:

8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

^{*} STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *